

COLIC DELIVERY COMPOSITE

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Abstract of JP10324642

PROBLEM TO BE SOLVED: To obtain the subject composite, safe in prolonged administration and capable of delivering an orally ingested active ingredient only to the colon without elution before arrival thereof at the colon. **SOLUTION:** This colic delivery composite comprises an active ingredient (e.g. phytyns, bifidus bacteria, antioxidant substances or peptides), a core substance containing the active ingredient, an inner layer, coating the core substance and containing a chitosan (β-1,4-poly-D-glucosamine) and having 1-1,000 μm membrane thickness and an outer layer, containing a gastric acid-resistant material (e.g. a wheat gliadin or a zein) and having 5-300 μm membrane thickness. The core substance may be formed of only the active ingredient or together with another excipient (e.g. sugar, starch, cellulose or lactic acid). The daily intake of the objective composite as a preventing agent for carcinoma of the colon is preferably 1-1,000 mg expressed in terms of phytyns.

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